

REMARKS/ARGUMENTS

The Applicant has carefully considered this application in connection with the Examiner's Action and respectfully requests reconsideration of this application in view of the foregoing amendment and the following remarks.

The Applicant originally submitted Claims 1-20 in the application. In previous responses, the Applicant amended Claims 1 and 11, canceled Claims 4 and 14 without prejudice or disclaimer, and added new Claims 21 and 22. In an Election Restriction, the Applicants Elected Claims 1-3, 5-9 and 21 with traverse. Presently, the Applicants have amended Claims 1, 6, 7, and 9, and have canceled Claim 5 and 8 without prejudice or disclaimer. Otherwise, no claims have been amended, canceled or added. Accordingly, Claims 1-3, 6-7, 9 and 21 are currently pending in the application.

I. Rejection of Claims 1-2, 5, 8 and 21 under 35 U.S.C. §102

The Examiner has rejected Claims 1-2, 5, 8 and 21 under 35 U.S.C. §102(b) as being anticipated by U.S. Patent No. 4,173,818 to Bassous *et al.* ("Bassous"). Independent Claim 1, in one form or another, includes the steps of diffusing a second opposite dopant at least partially across the lightly-doped source/drain region and under the gate to form a first portion of a channel, and then placing a heavy concentration of the first dopant in a region adjacent the second dopant proximate a source side of the gate, and in the lightly-doped source/drain region adjacent a drain side of the gate. Bassous, in contrast to that claimed, forms its heavier doped source/drain regions 28, 30 (e.g., likened to the claimed heavy concentration of the first dopant) prior to forming its boron implantation 34 (e.g., likened to the claimed second opposite dopant).

Therefore, Bassous does not disclose each and every element of the claimed invention, and as such, is not an anticipating reference. Because Claims 2, 5, 8, and 21 are dependent upon Claim 1, Bassous also cannot be an anticipating reference for these claims. Accordingly, the Applicant respectfully requests the Examiner to withdraw the §102 rejection with respect to these Claims.

II. Rejection of Claims 3, 6-7 and 9 under 35 U.S.C. §103

The Examiner has rejected Claims 3, 6-7 and 9 under 35 U.S.C. §103(a) as being unpatentable over Bassous. As previously indicated, independent Claim 1, in one form or another, includes the steps of diffusing a second opposite dopant at least partially across the lightly-doped source/drain region and under the gate to form a first portion of a channel, and then placing a heavy concentration of the first dopant in a region adjacent the second dopant proximate a source side of the gate, and in the lightly-doped source/drain region adjacent a drain side of the gate. As previously established, Bassous fails to disclose these elements. Bassous further fails to suggest these elements, as Bassous discloses one very specific method of manufacture of these elements, which is directly contrary to that which is presently claimed.

Therefore, Bassous fails to teach or suggest the invention recited in independent Claim 1, and its dependent claims, when considered as a whole. Accordingly, Bassous fails to establish a prima facie case of obviousness with regard to these claims. Claims 3, 6-7 and 9 are therefore not obvious in view of Bassous.

In view of the foregoing remarks, the cited reference does not support the Examiner's rejection of Claims 3, 6-7 and 9 under 35 U.S.C. §103(a). The Applicant therefore respectfully requests the Examiner withdraw the rejection.

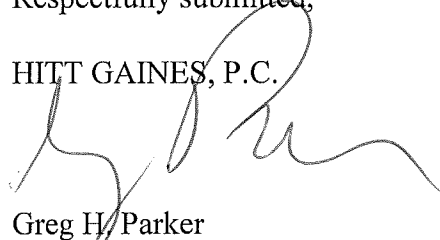
III. Conclusion

In view of the foregoing amendment and remarks, the Applicant now sees all of the Claims currently pending in this application to be in condition for allowance and therefore earnestly solicits a Notice of Allowance for Claims 1-3, 6-7, 9 and 21.

The Applicant requests the Examiner to telephone the undersigned attorney of record at (972) 480-8800 if such would further or expedite the prosecution of the present application. The Commissioner is hereby authorized to charge any fees, credits or overpayments to Deposit Account 08-2395.

Respectfully submitted,

HITT GAINES, P.C.

A handwritten signature in black ink, appearing to read 'Greg H. Parker', is written over the printed name.

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